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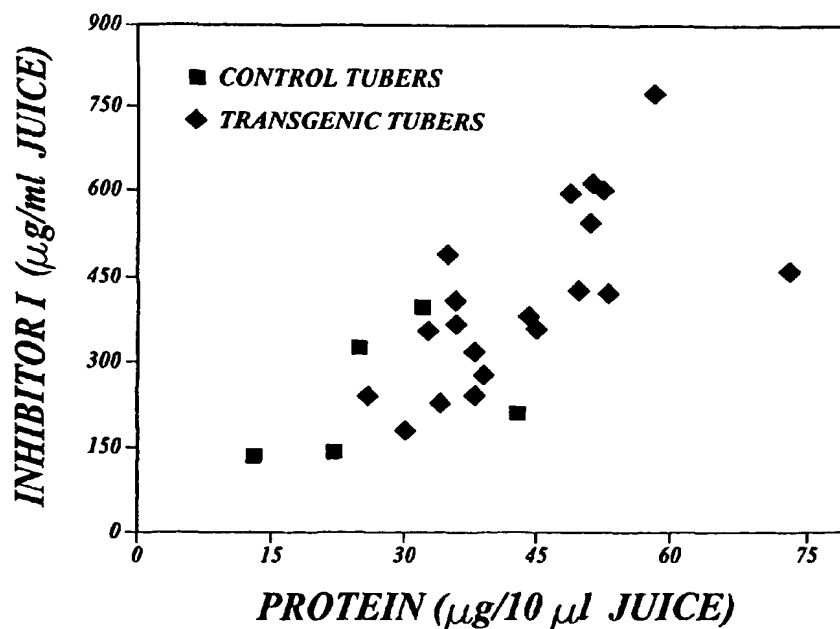
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(54) Title: METHODS FOR INCREASING THE AMOUNT OF PROTEIN IN POTATO TUBERS



(57) Abstract: In one aspect, the present invention provides potato tubers that each include water-soluble protein at a concentration of at least 5 mg/ml. Some potato tubers of the invention include an exogenous nucleic acid molecule that encodes a systemin molecule, or a prosystemin molecule, that is expressed in the potato tubers, whereby the synthesis of at least one water-soluble protein is induced by the expressed systemin molecule (or the systemin molecule derived from processed prosystemin). In another aspect, the present invention provides methods for increasing the amount of water-soluble protein in a potato tuber.